

# APPARATUS AND METHOD FOR CONTROLLING A POWER SUPPLY

## Abstract of the Disclosure

5           In a dual power supply, a main power supply is shut  
down by providing a signal from an auxiliary power  
supply. To generate the shutdown signal, a load is  
temporarily applied to the output of the auxiliary power  
supply for a predetermined time. The application of the  
10 load is detected using a hysteretic comparator in the  
auxiliary power supply that remains in a high state for a  
time period that exceeds a reference time period, which  
is established by a timer circuit. In response to  
exceeding the reference time period, the shutdown signal  
15 is sent to the main power supply.